

Date: Fri, 24 Sep 93 21:31:39 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1136
To: Info-Hams

Info-Hams Digest Fri, 24 Sep 93 Volume 93 : Issue 1136

Today's Topics:

 ALERT: Big Bear Solar Observatory BEARALERT - 24 Sep 93
 Antenna Covenants AGAIN (but now with a twist!)
 Battery recommendation wanted
 BKMULTY: looking for views/reviews
 CB Linear Buyback Program (2 msgs)
 Emergency: cellular vs ham (was Re: Yag
 HTs Airlines and Morris
 Know who you are talking about! (Was:CB Linear Buyback Program)
 Losses in VHF/UHF connectors (summary)
 New HF Rig
 six meter eme test
 Standard C550/C558A mods/help needed
 Yaesu FT-530 Add'l MODS WANTED

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 24 Sep 93 21:55:09 GMT
From: news-mail-gateway@ucsd.edu
Subject: ALERT: Big Bear Solar Observatory BEARALERT - 24 Sep 93
To: info-hams@ucsd.edu

9/24/93, 19:00 UT

SORRY, FOLKS.

WHILE BBS03323 HAS DOUBLED IN SIZE SINCE YESTERDAY, IT IS BASICALLY BIPOLAR,
WITH ONLY SLIGHT POLARITY MIXING, AND UNLESS SOME NEW FLUX EMERGES, WILL BE A

PLAIN OLD BETA P GROUP. WILL KEEP YOU POSTED.
HZ

Date: Thu, 23 Sep 1993 20:55:40 GMT
From: world!eac@uunet.uu.net
Subject: Antenna Covenants AGAIN (but now with a twist!)
To: info-hams@ucsd.edu

In <CDrqD2.45w@srngenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:

>The main problem is that it is (legally) much easier to attack government
>restrictions than CCNR's. (CCNR's are considered contracts between
>provate parties.) I'm sure that's the reason the ARRL hasn't had much
>luck attacking them so far.

Hello All,
I am not a lawyer, but have heard of certain CCNR's being made void by
the Government. The example I heard about are restrictions that require
you to sell you house to European-Americans only.

73 Eric eac@world.std.com

Date: Thu, 23 Sep 1993 22:30:59 GMT
From: ftpbox!mothost!schbbs!news@uunet.uu.net
Subject: Battery recommendation wanted
To: info-hams@ucsd.edu

In article <CDtDJ4.502@hpcvsnz.cv.hp.com>, tomb@lsid.hp.com (Tom Bruhns) says:

>
>Following up to my own posting:
>
>Tom Bruhns (tomb@lsid.hp.com) wrote:
>
>: So in pure charging and discharging, there is no gas involved. HOWEVER...
>: things are never so pure. The gasses are hydrogen and oxygen, mainly,
>: from electrolysis of water. But each little bubble of gas that comes up
>: will blast a tiny amount of electrolyte into the space above the plates
>: when the bubble bursts. If the battery is constructed properly, and you
>: charge it properly, have proper ventilation, and check and clean the
>: outside of the battery as needed, this won't be a problem.
>
>I'd like to add, if you want to run lead-acid batteries indoors, you
>really should put them in an acid and explosion proof box. The box
>should be able to handle the situation where the case of the battery

>suddenly shatters, and the electrolyte tries to go all directions.
>
>Why? Because the electrolysis produces an explosive mixture of
>oxygen and hydrogen. If an internal battery connection is weak,
>a current, either charging or discharging, can cause it to become
>hot enough to ignite the hydrogen-oxygen mixture. This is a worst
>case scenario, and perhaps not very likely, but if it happens,
>you want to be prepared for it. (It happened to me once in a car,
>and I was happy it was outside and a water hose was very nearby.
>
>If you charge the batteries carefully and control the electrolysis,
>this may never be a problem. And if you provide some active
>ventillation for any electrolysis that does take place, it may
>never get to the point that the gas above the cell is an
>explosive mixture. But don't take chances.
>

Amen.

I was there when the 12 V starting battery on a towable AC generator exploded. The generator was running at the time and charging the battery. It sounded like a shotgun going off and I looked just in time to see parts of the battery case coming down from about 20 feet up in the air. I became a firm believer that indoors is not the place for an automotive battery under charge.

Curtis, WB6PUS

Date: 24 Sep 93 03:33:44 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!olivea!isc-br!tau-ceti!comtch!iea!
FredGate@network.ucsd.edu
Subject: BKMULTY: looking for views/reviews
To: info-hams@ucsd.edu

FM> From: fmitch@netcom.com (Felton Mitchell)
FM> Newsgroups: rec.radio.amateur.misc, rec.radio.amateur.digital.misc

FM> Rajiv Dewan (rdewan@casbah.acns.nwu.edu) wrote:
FM> : I am considering to buy a copy of BK-MULTY software from
FM> : AC4IW for RTTY/AMTOR with my TU (HD3030, TU470 compatible).
FM> : I am looking for any views/reviews of it or similar software.

He used my HD3030 to work out all the details so it should work just fine with that unit. I have tried it on everything except Pactor and it is really a very

good piece of software.

FM> : Any comments, especially with its compatibility with Windows,
FM> : will be greatly appreciated.

I would have doubts that it would work all that well with windows because as far as I know it utilizes parts of the serial port that I am not sure would be compatible with windows. I have had a lot of dealings with AC4IW and would tend to believe him tho if he's tried it.

The program does CW as well as some other things and I haven't had much luck doing these things under windows due to timing problems unless the software was specifically created for the windows enviroment.

Jay Ws7i

* Origin: Radio Therapy (1:346/3)

Date: 23 Sep 1993 15:59:48 -0700
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!sol.ctr.columbia.edu!
news.kei.com!ssd.intel.com!chnews!ornews.intel.com!ornews.intel.com!not-for-
mail@network.ucsd.edu
Subject: CB Linear Buyback Program
To: info-hams@ucsd.edu

In article <27t5j2INNise@flop.ENGR.ORST.EDU> kayd@prism.CS.ORST.EDU (Kayd) writes:
>I have a Model 321(Unknown brand) Tube linear that works on 10m. With 5 watts
>in it puts out 100w on low and 250w on high power. About 500w w/SSB on high
>power. Includes receiver amplifier circuit.
>
>First \$125 OBO + S/H takes it if you are a licensed amateur operator!
>Only cashier's check or money order accepted.
>
>Darrek Kay
>Kayd@Prism.cs.orst.edu
>(503)737-9410

Your offer to allow hams to buy back these dangerous amplifiers is commendable however I feel your asking price is too high. I'd like to help kick off this program by offering a transistorized bi-linear amplifier of unknown origin for \$50. Proof of a valid amateur license will be required or I will not be able to ship the amplifier COD. I have been reading this news group a long time and I know there are plenty of hams interested in CB band enforcement who will be willing

to put up or shut up on this offer.

Date: 25 Sep 1993 02:50:18 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: CB Linear Buyback Program
To: info-hams@ucsd.edu

If you happen to run across one of the old broadband solid-state amps, like the Pride Electronics model 150, you'll find that you can get about 400 (yes, four hundred!) watts out of it in CW mode on 40 meters, using a Ten-Tec Argonaut to drive it. Be sure to add a muffin fan to it.

- Brian

Date: 25 Sep 93 01:33:59 GMT
From: news-mail-gateway@ucsd.edu
Subject: Emergency: cellular vs ham (was Re: Yag
To: info-hams@ucsd.edu

Dan [ogicse!cadreor!fripp!usenet@network.ucsd.edu] writes:

> >> The cheating was rampant.
> >> They were caught with smoking guns on a couple of occasions but no one
> >> including the FCC seemed to care. I participated on one of the
> >> investigative ad-hoc committees. The guy was caught red-handed with
> >> his cheat sheets. I wrote a letter to the FCC separate from the committee's
> >> report. Nothing. Not a word.

> This is fairly common now. The word is out that you don't have to study for
> the tests...

> Dan

It may be 'fairly common', I can't say for sure. I can only speak for my own experience taking the Tech test back in August...

The VEs at the session were quite explicit about cheating: they were going to be watching closely, and if anything suspicious took place, the examinees involved would have their materials confiscated, and they would be removed from the testing session and the incident reported to the FCC.

Maybe the FCC doesn't follow-up on these cases, but at least at my session the VEs weren't about to let this type of thing slide.

Don't misunderstand: they were quite friendly and helpful throughout the entire

testing process, but they also considered their reputations to be at stake.

73,

Tom

N3Q?? (6 weeks and counting)

Tom Leber <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"One step ahead, one step behind...Pretty soon you gotta' run to stay even."

Date: Thu, 23 Sep 93 14:06:10 GMT
From: csus.edu!netcom.com!netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: HTs Airlines and Morris
To: info-hams@ucsd.edu

In article <CDrxvA.JDJ@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu writes:
> In article <748711640snx@skyld.tele.com> jangus@skyld.tele.com (Jeffrey D. >
Angus) writes:

> > There are plenty enough rules in this society restricting what I can do
> > without having to put up with vapor-rule invented on the spot by some
> > petty bureaucrat. As an example of this abuse, I would suggest trying to
> >

>

> Did you really mean to call the pilot of that aircraft a 'petty bureaucrat'?

Not at all, just in general I have learned to ask for a clarification when
told "thems is the rules".

Oh and I'm sorry about the eralier gaffe, that was Socrates not Aristotle
that said, "Question authority". I'm surprised nobody noticed that yet.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
Internet: jangus@skyld.tele.com	universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

Date: 24 Sep 93 20:18:46 GMT
From: ogicse!flop.ENGR.ORST.EDU!prism.CS.ORST.EDU!kayd@network.ucsd.edu
Subject: Know who you are talking about! (Was:CB Linear Buyback Program)
To: info-hams@ucsd.edu

It would have been nice if the person that followed up my advertisement would

have taken the time to look me up in a callsign server. Half the reason I purchased this amplifier from the Hillsboro auction was to avoid letting some CB'er get it. True, I could be overpriced, but the market will determine my selling price since I have done no research myself as to the actual worth of such a device.

Darrek Kay
Kayd@Prism.cs.orst.edu
(503)737-9410
KB7RVD/AG

Date: Thu, 23 Sep 1993 23:50:09 GMT
From: pa.dec.com!e2big.mko.dec.com!regent.enet.dec.com!gettys@decwrl.dec.com
Subject: Losses in VHF/UHF connectors (summary)
To: info-hams@ucsd.edu

Actually, The so called UHF connector is properly named. You must remember that it was named when UHF was up to about 30 Megacycles (now known as 30 Mhz)! So 30 Mhz as the UPPER end of UHF is entirely reasonable.

As UHF is now defined, it is UNreasonable. Up to 2 meters, the UHF connector is marginally acceptable (although 6 meters is a better cutoff point). For anything above this, an N connector is the way to go (and even on 2 meters, if possible - but match the connector to the equipment's connector).

/s/ Bob N1BRM

Date: Thu, 23 Sep 1993 22:06:57 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!sol.ctr.columbia.edu!caen!usenet.cis.ufl.edu!usenet.ufl.edu!mailer.cc.fsu.edu!freenet.scri.fsu.edu!dodsonm@network.ucsd.edu
Subject: New HF Rig
To: info-hams@ucsd.edu

nick@cs.unc.edu (Nick England) writes:

> In article <1993Sep22.115647.21913@lmpsbbs.comm.mot.com>

burke_br@adcae1.comm.mot.com writes:

> >

> >Gee fellows, I would recommend an American rig, the Ten-Tec Omni-VI, or the

> >Paragon, soon, I hope, to be followed by the Paragon II....

> >I know a couple of folks who own Paragons and think they are superior.

> >
> >Bruce, WB4YUC, e1 YUCC0. . .
> >
> >
>
> Hear, hear !! I am one among many very happy OMNI VI owners. Ten Tec has
> an outstanding reputation for making good gear and providing good
> service. They suffer mostly from not buying enough glossy ad pages in the
> magazines (unlike Ken-com-sue) to be on everyone's most-wanted list.
>
> Nick KD4CPL

What is this anyway, a Ten-Tec fan club? Well, add me to the list!
Great gear and great service by folks who speak English and are willing
to help trouble shoot over the phone.

73, >
--

Michael Dodson	Internet: dodsonm@freenet.scri.fsu.edu
2305 Forsythe Court	Packet: N4JEL@N0ARY.#nocal.ca.usa.na
Tallahassee FL 32308 USA	"To err is human, but it feels divine." Mae West

Date: 23 Sep 1993 20:13:22 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usenet.ins.cwru.edu!
magnus.acs.ohio-state.edu!rlong@network.ucsd.edu
Subject: six meter eme test
To: info-hams@ucsd.edu

I have taken the liberty of forwarding the following message to
the rec.radio.amateur.misc group.

Ron w8gus rlong@magnus.acs.ohio-state.edu

===== cut here =====

Message 11 (5318 chars)
To: amsat-bb@amsat.org
Subject: EME on 9/24 formatted for packet
From: kd4cim@vulcan.com (Jerry Pruett - KD4CIM)
Date: Thu, 23 Sep 93 12:17:21 CDT

I have taken the liberty of reformatting W9IP's message for packet
as follows. Pls maintain BID integrity when passing it on to the

packet network. Thanks... Jerry

SB EME @ AMSAT < W9IP \$EME0924W9IP

EME 6M on 93.09.24

[Relayed to Packet with BID of 'eme0924w9ip'. Pls maintain this BID when forwarding to the packet network.]

From: Michael Owen <MOWE%SLUMUS.bitnet@CUNYVM.CUNY.EDU>

Friends,

Below is a message that I just received from Jorge Heraud, OA4LS, regarding an upcoming 6-meter EME test. The Jicamarca observatory (Lat 11 deg., 56' 53" S, Lo n 76 deg., 52', 20" W, Grid FH18nb) has the largest 6-meter antenna in the world , 20,000 dipoles. Its gain is around 43 dBd and its beamwidth is 1 degree. The array is not readily steerable, so their Moon window is very brief.

DATE: Friday, September 24, 1993 (local date)

Time: 19:50 EST = 20:50 EDT = 00:50 UTC (UTC Saturday!)

listen from 00:40 - 01:00

Note that this will be a transmit-only test; they will NOT be making any QSOs. They hope to QSY into the amateur 50 MHz band at a later date for QSOs, dependin g on the success of this test. Consequently, it is important that they receive SWL reports.

SWL reports may be sent via e-mail to:

Jorge Heraud, OA4LS ... JHERAUD@OABBS.PE

or to me

Michael Owen, W9IP ... MOWE@SLUMUS

and I will forward them directly to Jorge.

Please include the following information:

Your station callsign & location

Boomlength & number of elements of your antenna

antenna height above ground

elevation control yes/no

times heard: first sound...loudest...last sound

signal strength (dB above noise if possible)

Approx position of the Moon:

Not visible in Europe, most of Africa, Asia, or Oceania. :(

North America (@ beginning of window):

City	Moon's Az degrees	Moon's El degrees
NY City	183	32
Chicago	167	30
Atlanta	171	39
Dallas	156	36
Denver	149	27
San Francisco	133	20
L.A.	135	25

The low elevation of the Moon means that horizon-only stations will have a good chance of hearing echos from the Moon. Try it!

September 22, 1993

Dear Michael:

We will be on the air with all 20,000 dipoles, this Friday,
SET 24 at 19:50 EST. Here is what we plan to do:

A group of us will go to the observatory on Friday afternoon to fix up connections, install key, etc. We will have a Moon pass at 19:50 approx. Depending on the (expected) appearance of "Spread F" in the upper Ionosphere, we can have a longer transit contact. We will transmit 10 minutes before the time until 10 minutes past the time. So essentially we will be on the air from 19:40 to 20:00 EST. All times will be given in EST (which is our local time). Bear in mind it is EST and NOT Daylight Saving Time.

We will transmit at least 1 MW (One MegaWatt peak power) at 49.92 MHz. Transmission will be pulses at a PRF of 800 pulses per sec. The echo will sound like a tone, so there is no need to beat the signal, any SSB receiver should be able to hear it like a tone. So we will add a key and simulate Morse code by simply keying the transmitter ON/OFF.

The idea is that people should be able to hear the echoes with a simple receiver and little gain in the antenna. We hope that many people can listen to us off the Moon. This is a first trial, if all goes well, we can try something better for October or November, using an amateur rig, above 50 MHz.

We will have Alfonso, OA4PQ at 14,185. He will be in contact with us at the Observatory at all time, through the Lima repeaters, so he will be able to tell everyone on HF, when we are actually transmitting and later pick up any reports.

Please SPREAD THE WORD. I know there is little time, but that's all the time I got after last minute coordinations. Please send me your immediate comments. I will check my e-mail until Friday morning.

73,
Jorge, OA4LS

/EX

de Jerry

BHM AmprNet - kd4cim@kd4cim.ampr.org [44.100.113.19]
Packet Radio - KD4CIM @ KD4CIM.AL.USA.NA

Date: Fri, 24 Sep 1993 06:05:36 GMT
From: swrinde!cs.utexas.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!unixg.ubc.ca!nntp.cs.ubc.ca!
newsserver.sfu.ca!sfu.ca!tpang@
Subject: Standard C550/C558A mods/help needed
To: info-hams@ucsd.edu

My friend just picked up a Standard C550 dualband HT for me during his trip to Hong Kong recently. The C550 is the Japanese model of the C558A in North America. All Japanese HTs lack NiCd packs and chargers of all brands, but cheaper. All the recent years of Japanese models are internally almost the same as the export models, and are thus modifiable to operate in duplex etc. (since repeaters are not permitted in 2m in Japan, last I know.)

Now my questions:

I have downloaded the C558.mod file from nic.funet.fi ftp site. The author said a diode 1SS301 is needed for the wide band transmit mod. Where is that diode available, and how much? I don't actually need this mod as bad as the wide RX mod. So.

If anyone has the wide RX mod, please e-mail/post, since that is not in the above file, and since I haven't picked up my radio from my friend yet, I don't know if it is already modified or not.

My friend told me that it might not come with even a belt clip (yes, some radios do, and some don't, from Japan.) The Ham Radio Outlet price seems a little high, does other clip work, without mod? Which mail order has better price on Standard accessories?

I don't have much money for other accessories now, but I don't mind if other people have good recommendations on some for this radio. Is there a review on this rig? How good is it compare to others? I have heard very good comments on the Standard C5608DA dualband mobile rig, but not very much on the HTs.

Funny, isn't it I wanted a review after I bought it (and no return policy). Yes, I think Standard has grown much better lately in their radios. I read some good comments on the net, just not a detailed review.

I'd like any comments on this rig, and especially the way to do any mods, including but not limited to extended RX, crossband repeat.

I have owned a Kenwood TH-21AT, a Yaesu FT-23 (Japanese model), and now use a Kenwood TH-215 (Japanese model).

Thanks in advanced,

Bye,
David

```
+-----+
| In real life: David Tse          E-mail: tpang@sfu.ca (Internet)      |
| In amateur radio: VE7MDT        Packet: VE7MDT@VE7UBC.#VANC.BC.CAN.NA |
| Snail Mail: P.O. Box 26052, Richmond B.C., V6Y 2B0, Canada.          |
| Set-up: Amiga 3000/25, MAG MV-14S, AMaxII, ZyXEL 1496E, DeskJet+, HP48SX |
| Disclaimer: Anything here does not represent views of anyone except mine.|
+-----+
```

Date: Fri, 24 Sep 1993 13:24:55 GMT
From: swrinde!cs.utexas.edu!uwm.edu!spool.mu.edu!bloom-beacon.mit.edu!xlink.net!
math.fu-berlin.de!news.belwue.de!news.uni-ulm.de!news@network.ucsd.edu
Subject: Yaesu FT-530 Add'l MODS WANTED
To: info-hams@ucsd.edu

In <27m7lsINNq17@gap.caltech.edu> slr@cco.caltech.edu (Steve L. Rhoades) writes:
>I caught the tail end of a QSO the other day about some additional
>modifications available for this radio. (above and beyond the infamous
>Jumper 13).

Does anyone know how to modify the Alinco DJ-580 for wider freq range??

Thanks in advance,

Juergen

```

/*****
/* Juergen Mueller, DG7SFC          Transferzentrum Europ. Software Design */
/* Prittwitzstr. 10, Postfach 3860    Tel: +49 731 502-8265, Fax: -8270 */
/* 89075 Ulm          Email: juergen@hugo.rz.fh-ulm.de          Fido: 2:246/9507 */
*****/

```

Date: Thu, 23 Sep 1993 18:00:20 GMT
From: swrinde!cs.utexas.edu!asuvax!ennews!anasaz!misty!john@network.ucsd.edu
To: info-hams@ucsd.edu

References <holdwick_marc-200993114327@136.182.219.61>,
<1993Sep20.201346.2477@porthos.cc.bellcore.com>, <27mjo4\$ikl@ilx018.intel.com>
Subject : Re: Antenna Covenants AGAIN (but now with a twist!)

dbraun@ilx049.intel.com (Doug Braun) writes:

>In article <1993Sep20.201346.2477@porthos.cc.bellcore.com>,
whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>

>|> Restrictive covenenats get their power from basic contract law.

>Something I could never understand about covenants: How can you
>ever get rid of one? Are you permanantly stuck with it for all time?

>For example, let's say I discover that there is a covenant on my house
>that says once a year the owner must sacrifice a goat to the god
>Udog-Magamba, and furthermore, the house is 200 years old, and the
>covenant has apparently been there since it was built. What
>could I do to get rid of this?

>Most contracts are bwtween two people, but in a covenant, who is the second
>party? Can anyone sue me if I violate a covenant, or must the covenant
>specify who the interested second parties are?

Usually, a covenant is attached to the subdivision. If the subdivision
lot owners get together, they can have a covenant removed. I don't know
what percentage it takes - it may require ALL of them, and it may vary
from state to state.

The interested second parties are the other lot owners in the subdivision.

>--

>-----

>Doug Braun Intel Israel, Ltd. M/S: IDC1-41
> Tel: 011-972-4-655069 dbraun@inside.intel.com

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DISCLAIMER: These views are mine alone, and do not reflect my employer's!
John Moore 7525 Clearwater Pkwy, Scottsdale, AZ 85253 USA (602-951-9326)
john@anasazi.com Amateur call:NJ7E Civil Air Patrol:Thunderbird 381
- Democracy is two wolves and a sheep using majority vote to decide what -
- to have for dinner. SUPPORT THE BILL OF RIGHTS - INCLUDING THE 2nd! -

End of Info-Hams Digest V93 #1136
